



## Vegetable Planting Guide and Recommended Planting Dates

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### How Much to Plant

The Vegetable Planting Guide can be used to determine the approximate amount of crop to plant for the desired yield, the amount of seed or number of transplants required for that amount of crop, and proper spacing between plants in a row. In intensive, raised-bed gardens, use the in-row figures between all plants; i.e., use equidistant spacing between plants. Sow seeds to a depth three to five times the diameter of the seed. For mid-summer plantings, dry soils may require you to sow up to twice this depth.

| Crop             | Planting Distance in Feet or Inches |              | Approximate yield per 10 feet of row | Approximate no. of row feet to plant per person | Transplants or seed required per 10 feet of row |                |
|------------------|-------------------------------------|--------------|--------------------------------------|---|---|----------------|
|                  | In Rows                             | Between Rows |                                      |   | No. of Plants                                   | Amount of Seed |
| Asparagus        | 18 "                                | 48-60 "      | 3-4 lbs                              | 15-20'  | 7-8 crowns                                      |                |
| Beans, bush      | 1-2 "                               | 24-36 "      | 3-5 lbs                              | 20-50'  |   | 1 oz           |
| Beans, pole      | 4-12 "                              | 36-48 "      | 6-10 lbs                             | 10-30'  |   | 1 oz           |
| Beans, lima      | 3-4 "                               | 24-36 "      | 3-5 lbs                              | 20-30'  |   | 1 oz           |
| Beans, wax       | 2 "                                 | 24-36 "      | 3-5 lbs                              | 20-50'  |   | 1 oz           |
| Beets            | 2-3 "                               | 12-24 "      | 8-10 lbs                             | 10'   |   | 1/8 oz         |
| Broccoli         | 12-24 "                             | 24-36 "      | 4-6 lbs                              | 10-20'  | 5-8 or  |                |
| Brussels Sprouts | 18-24 "                             | 30-36 "      | 3-4 lbs                              | 10'   | 5-7 or  |                |
| Cabbage          | 12-18 "                             | 30-36 "      | 10-40 lbs                            | 10-15'  | 5-8 or  |                |
| Chinese Cabbage  | 12-24 "                             | 18-36 "      | 20-30 lbs                            | 10-15'  | 8-12 or   |                |

|                 |         |         |           |         |         |         |
|-----------------|---------|---------|-----------|---------|---------|---------|
| Carrots         | 1-2 "   | 15-30 " | 7-10 lbs  | 10-20'  |         | 1/5 oz  |
| Cauliflower     | 12-24 " | 24-36 " | 8-10 lbs  | 10-15'  | 5-8 or  |         |
| Chard, Swiss    | 6-12 "  | 18-30 " | 8-12 lbs  | 5-10'   |         | 1/5 oz  |
| Collards        | 12-24 " | 24-36 " | 8-15 lbs  | 10-15'  | 5-7 or  | 1/10 oz |
| Cucumbers       | 12-18 " | 48-72 " | 8-10 lbs  | 15-20'  |         | 1/10 oz |
| Eggplant        | 18-24 " | 30-42 " | 10-12 lbs | 3-6'    | 5-7 or  |         |
| Endive          | 9-12 "  | 18-30 " | 3-6 lbs   | 5-10'   | 5-10 or | 1/40 oz |
| Kale            | 6-18 "  | 18-36 " | 4-8 lbs   | 10-15'  | 6-10 or | 1/10 oz |
| Kohlrabi        | 4-6 "   | 12-36 " | 4-8 lbs   | 5-10'   |         | 1/10 oz |
| Leeks           | 2-6 "   | 12-30 " | 10-20 lbs | 3-6'    |         | 1/10 oz |
| Lettuce (Bibb)  | 6-10 "  | 12-24 " | 4-8 lbs   | 15-20'  |         | 1/40 oz |
| Lettuce (leaf)  | 3-6 "   | 12-18 " | 5-10 lbs  | 10-15'  |         | 1/40 oz |
| Muskmelons      | 24-36 " | 60-90 " | 15-25 lbs | 8-12'   | 3-5 or  | 1/8 oz  |
| Mustard         | 2-4 "   | 18-30 " | 3-6 lbs   | 5-10'   |         | 1/10 oz |
| Okra            | 8-18 "  | 36-48 " | 5-10 lbs  | 5-10'   | 7-10 or | 1/5 oz  |
| Onions (sets)   | 2-4 "   | 12-24 " | 7-10 lbs  | 15-25'  | 30-60   |         |
| Peas (English)  | 1-3 "   | 12-30 " | 2-6 lbs   | 40-60'  |         | 1/2 oz  |
| Peppers         | 12-24 " | 30-36 " | 5-18 lbs  | 5-10'   | 5-7     |         |
| Potatoes, Irish | 10-18 " | 24-42 " | 10-20 lbs | 75-100' |         | 1 lb    |
| Pumpkins        | 2-4'    | 5-8'    | 10-20 lbs | 10'     |         | 1/20 oz |
| Rutabaga        | 3-6 "   | 15-30 " | 8-12 lbs  | 5-10'   |         | 1/8 oz  |
| Southern Peas   | 3-4 "   | 24-36 " | 5-18 lbs  | 25-30'  |         | 1 oz    |
| Sweet Corn      | 6-12 "  | 24-36 " | 7-10 lbs  | 40-60'  |         | 1/2 oz  |
| Spinach         | 3-6 "   | 15-30 " | 4-6 lbs   | 30-40'  |         | 1/8 oz  |
| Squash, summer  | 18-36 " | 36-60 " | 20-80 lbs | 5-10'   |         | 1/10 oz |
| Squash, winter  | 2-4'    | 3-10'   | 10-80 lbs | 10'     |         | 1/10 oz |
| Sweetpotatoes   | 12-18 " | 36-48 " | 8-12 lbs  | 75-100' | 7-10    |         |
| Tomatoes        | 18-36 " | 36-50 " | 15-45 lbs | 10-15'  | 3-7     |         |

|             |       |         |          |        |        |        |
|-------------|-------|---------|----------|--------|--------|--------|
| Turnips     | 2-3 " | 12-24 " | 8-12 lbs | 10'    |        | 1/8 oz |
| Watermelons | 3-4'  | 5-10'   | 8-40 lbs | 10-15' | 1-2 or | 1 2 oz |

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Go to [Planting Area Map](#) to see the average date of the last frost.

Go to [Planting Dates Chart](#)

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*This publication was originally authored by Diane Relf, Extension horticulturist (retired), and Alan McDaniel, associate professor, Department of Horticulture, Virginia Tech.*